



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Hardin, Susan, et. al.

SERIAL NO.: 09/901,782

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§ ART UNIT NO.: 1633

§ EXAMINER: SMITH, C.L.

§ DOCKET NO.: 00007/01UTL

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TITLE: COMPOSITIONS FOR

REAL-TIME SEQUENCE

DETERMINATION

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| EV 405 878 706 US  | CERTIFICATE OF MAIL BY EXPRESS MAIL      | October 22, 2004  |
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| Commissioner for Patent  |  |                   |
| MS AMENDMENT   |  |                   |
| Robert W. Steiner  | P.O. Box 1450, Alexandria, VA 22313-1450 | October 22, 2004  |
|  |  | Date of Signature |

**RESPONSE TO 8 JUNE 2004 FINAL OFFICE ACTION**

Dear Examiner Smith:

This is a response to the **8 June 2004** Final Office Action.

**SUMMARY OF FINAL OFFICE ACTION**

|                          |   |
|--------------------------|---|
| Claim 7                  | objection - "d"   |
| Claims 20-24 and 45      | 112, 1¶ - New Matter - "two different sites"                            |
| Claim 19                 | 112, 2¶ "mixtures or combinations thereof of the <i>Taq</i> polymerase" |
| Claims 18, 35-42         | 112, 2¶ "FRET"  |
| Claim 1-5, 7-9 and 20-23 | 102(a&b) - Williams and Brandis   |
| 6, 10-17 and 43          | allowed or allowable  |